

LANCE Redundancy

LANCE Element	Processing (Data Creation)	Metadata Creation	Imagery creation	Metadata export to ECHO/CMR	Imagery Export to GIBS	Metrics export to EMS	Fail-over notification	Comments
ASDC	ECS (primary l5eil01) and mini-ECS (secondary l6eil50)	ECS (primary) and mini-ECS (secondary)	Primary	Primary	Primary; (GIBS export includes: 18 tiled images in GeoTIFF, xml metadata, file naming convention and md5checksum)	Primary and Secondary	Manual is planned via e-mail to users on list with link	MISR NRT Primary and Secondary in different wings of the same build and have different power grid: backup and EMOS/EDC links. Form installation ECS customer software is required to correct EM flat files (no zero-byte files) on secondary.
AMSR	NRT1 and NRT2; RD1 and RD2 for HDF		NRT2	NRT1 (C5) and NRT3 (C6 & VIIRS)	netCDF to GIBS via WCS	NRT1 and 2	Manual user sent e-mail notification	
AIRS & MLS	NRT1 and NRT2		post-processing on another server	NRT1	another server	NRT1 and 2	if NRT1 is down they will manually point users to NRT2. This should be transparent to user.	NRT1 and 2 are in the same build but on different power supplies. in the event of a disaster there is another machine in another building but this is in op
MODIS	NRT1 & 2 run constantly for C5. NRT3 for C6 and VIIRS.		NRT2	NRT1 and NRT3	Images pulled from secondary	NRT1, 2 and 3	Manual user sent e-mail notification	NRT4 being commission

OMI	<i>NRT1 and NRT2 run constantly</i>		<i>NRT2</i>	<i>NRT1</i>		<i>both</i>	<i>Manual user sent e-mail notification</i>	
AMSR	<i>Primary and Secondary run constantly</i>	<i>on Primary and Secondary</i>	<i>on Primary and Secondary</i>	<i>sounds like Primary</i>	<i>imagery sent from Primary</i>	<i>sounds like Primary</i>	<i>web areas for pickup are on Primary and Secondary; user can link to either;</i>	<i>subscription would work similar to ASDC; believes you cannot send duplicate metadata to ECHO or ECHO in test mode for metrics need Lalit review; sounds like GIBS need: firewall rule to handle data streams and switchover so they are happy with one</i>